

reduced when the relative humidity of air increases, and is increased when the relative humidity of air decreases.

2. (Once Amended) A water vapour barrier according to claim 1, wherein a plurality of second through openings are formed in said second water impervious membrane, and wherein each of said spaces interconnect said first through openings and said second through openings.

3. (Once Amended) A water vapour barrier according to claim 2, wherein the first through openings are offset relative to said second through openings.

4. (Once Amended) A water vapour barrier according to claim 1, wherein the first water impervious membrane is substantially impervious to water vapour.

5. (Once Amended) A water vapour barrier according to claim 1, wherein the first and second water impervious membranes are connected to opposite sides of said water absorbing material, which forms an intermediate layer.

6. (Once Amended) A water vapour barrier according to claim 5, wherein either the second through openings cover a substantially larger area of the surface of the water absorbing material than the first through openings, whereby the vapour transport in the water vapour barrier in a direction from the second water impervious membrane to the first water impervious membrane is predominant, or the first through openings cover a substantially larger area of the surface of the water absorbing material than the second through openings, whereby the vapour transport in the water vapour barrier in a direction from the first water impervious membrane to the second water impervious membrane is predominant.

7. (Once Amended) A water vapour barrier according to claim 5, wherein the thickness of the intermediate layer of water absorbing material is 0.2 to 1.5 mm.

8. (Once Amended) A water vapour barrier according to claim 5, wherein the intermediate layer of water absorbing material comprises a fibrous plastic material including fibres having a hydrophobic fibre core.

9. (Once Amended) A water vapour barrier according to claim 1, wherein the water vapour diffusion resistance of the first water impervious membrane is equivalent to 10-100 m air column at any relative humidity of air in contact therewith.

18. (Once Amended) A water vapour barrier according to claim 1, further comprising a moisture distributing outer layer of water absorbing material, which is connected to the outer surface of said first water impervious membrane or the second water impervious membrane.

19. (Once Amended) A water vapour barrier according to claim 18, wherein the outer layer of water absorbing material is a fibrous, felt-like material.

20. (Once Amended) A water vapour barrier according to claim 19, wherein the thickness of the outer layer of water absorbing material is less than 0.5 mm.

21. (Once Amended) A water vapour barrier according to claim 1, wherein the first water impervious membrane is formed by mutually parallel, transversely spaced first bands, the first through openings being defined between adjacent first bands.

22. (Once Amended) A water vapour barrier according to claim 1, wherein the second water impervious membrane is formed by mutually parallel, transversely spaced second bands, the second through openings being defined between adjacent second bands.

23. (Once Amended) A water vapour barrier according to claim 2, wherein the minimum spacing between the first through openings and the second through openings defined in the first and second water impervious membranes, respectively, is about 20 mm.

24. (Once Amended) A water vapour barrier according to claim 22, wherein each of said second bands has a width exceeding the width of a corresponding space between adjacent first bands and overlaps said space and adjacent rim portions of said adjacent first bands.

25. (Once Amended) A water vapour barrier according to claim 24, wherein the maximum transverse overlap of the rim portions of the adjacent first bands is 100 mm.

26. (Once Amended) A water vapour barrier according to claim 25, wherein the maximum transverse overlap is 70 mm.

27. (Once Amended) A water vapour barrier according to claim 21, having the form of a web-like material, wherein the first through openings are parallel to the second through openings, and the first through openings and the second through openings extend in a longitudinal direction of the web-like material.

28. (Once Amended) A method of making a water vapour barrier, said method comprising

forming an elongated layer of water absorbing, fibrous material,

applying to a first side surface of the layer of water absorbing, fibrous material a plurality of transversely spaced, parallel first bands of a first, water impervious membrane material, and

applying to an opposite, second side surface of the layer of water absorbing, fibrous material a plurality of transversely spaced, parallel second bands, at least some of which are comprised of a second membrane material, said second membrane material having a water vapour diffusion resistance, which varies with the relative moisture of air in contact therewith,

each of said second bands having a width exceeding the width of a corresponding space between adjacent first bands, said second bands being applied so as to overlap said space and adjacent rim portions of said adjacent first bands.

29. (Once Amended) A method according to claim 28, wherein said first water impervious membrane material is substantially impervious to water vapour.

30. (Once Amended) A method according to claim 28, wherein at least some of said first and second bands comprise films or foils which are adhered to the side surfaces of the layer of water absorbing fibrous material.

31. (Once Amended) A method according to claim 29, wherein the first bands are comprised of polyethylene films or foils which are connected to thermoplastic fibers of the layer of water absorbing fibrous material by heating and fusing.

32. (Once Amended) A method according to claim 28, wherein at least some of the second bands are fastened to the layer of water absorbing, fibrous material by means of an adhesive.

33. (Once Amended) A method according to claim 32, wherein net-like bands of a polymer glue are interposed between said second bands and the layer of water absorbing, fibrous material.

Please add new claims 34 - 37 as follows:

34. (New) A water vapour barrier according to claim 12, wherein the first water impervious membrane comprises a polyethylene film having a weight of 30 to 80 g/m.

A2 35. (New) A water vapour barrier according to claim 14, wherein the water vapour diffusion resistance of the second water impervious membrane is equivalent to about 0.1 mm or less at a relative humidity of 60 to 100% of air in contact with the second water impervious membrane.

36. (New) A water vapour barrier according to claim 19, wherein the thickness of the outer layer of water absorbing material is about 0.1 mm.

37. (New) A water vapour barrier according to claim 21, wherein the first through openings and the second through openings are band shaped.

REMARKS

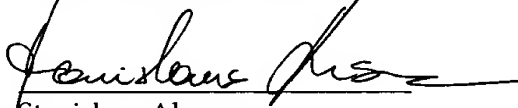
Claims are amended to place them in a form preferred in U.S. patent practice. The amendments are not made for reasons of patentability, and are merely made to place claims in a better form.

An indication of allowance of all claims is solicited.

Respectfully submitted,

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